

## Brucellosis Project Update March 2013

Throughout March seropositive elk have been monitored 2 to 4 times per week. Monitoring flights have been conducted once per week for the seropositive elk and once per month for the seronegative elk. All elk remain on winter range. The seropositive elk that has been wintering in the Wall Creek Wildlife Management Area was last monitored on 3/10/13 and has moved to the east side of Highway 287.

Julee Shamhart and pilot Neil Cadwell conducted an elk monitoring flight of all collared elk on Thursday, March 14, 2013 (Fig 1 & 2). Thirty seven of 40 radiocollared elk were located during the flight and all collars were transmitting on live mode. Two seronegative elk radiocollars (223 & 280) were not heard during the flight, but were heard on live mode by pilot Trever Throop on 3/10/13. One additional seronegative elk radiocollar (263) has not been heard since capture and was not located during the flight. The positive elk with vaginal implant transmitters (VITs) were all transmitting on live mode indicating no evidence of abortion events.

Julee Shamhart Conservation Technician Dillon, MT 406-925-9545 JShamhart@mt.gov

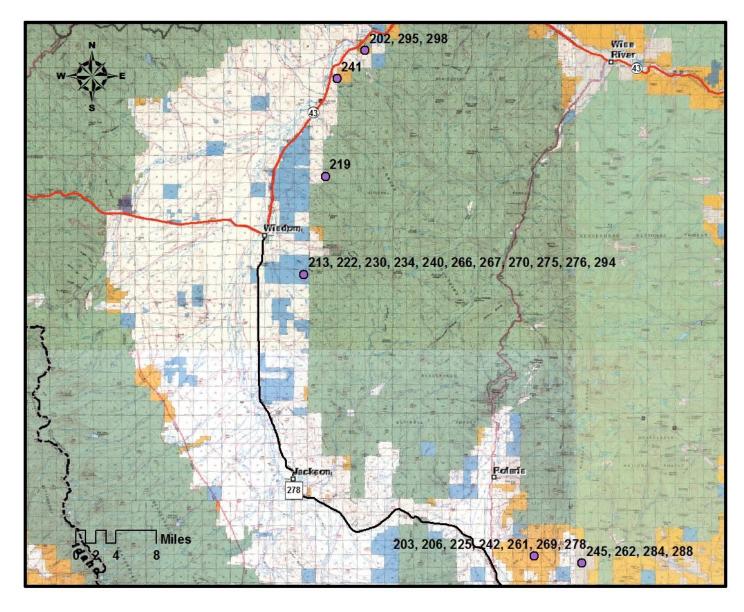


Figure 1. Seronegative elk locations from the March 14, 2013 monitoring flight.

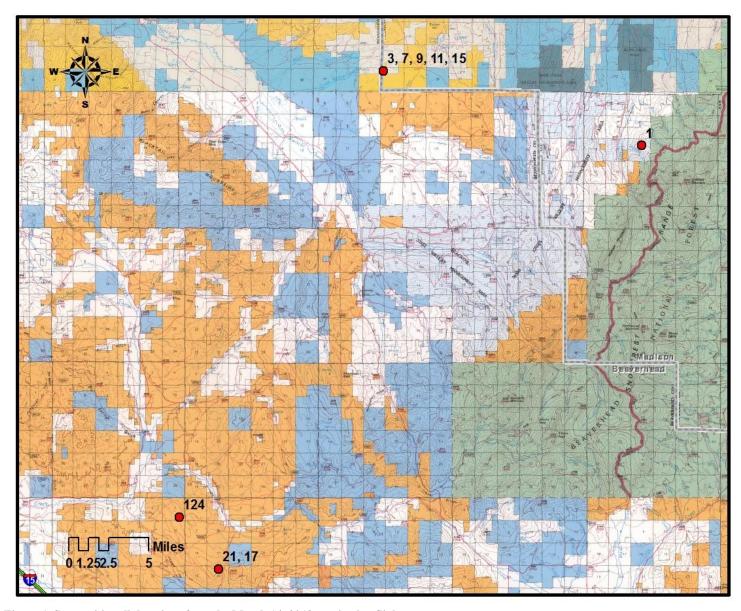


Figure 1. Seropositive elk locations from the March 14, 2013 monitoring flight.

 $Table 1. Forty \ elk \ currently \ radio collared \ in \ the \ brucellosis \ study \ area. \ Thirty \ elk \ were \ radio collared \ in \ each \ of \ the \ past \ 3 \ years \ and \ all \ seropositive \ elk \ will \ remain \ collared \ for \ the \ duration \ of \ the \ study.$ 

ID#	Cantura Area	First capture	Sarastatus	Pregnancy status (2013)	Most recent leasting
ID#	Capture Area	year	Serostatus	, ,	Most recent location
1	Ruby	2011	Positive	Pregnant	E of Ledford Cr
3	Ruby	2011	Positive	Pregnant	SW of Timber Hill
7	Ruby	2011	Positive	Pregnant	SW of Timber Hill
9	Ruby	2011	Positive	Pregnant	SW of Timber Hill
11	Ruby	2011	Positive	Open	SW of Timber Hill
12	Ruby	2011	Positive	Open	East side 287
15	Little Basin Cr/ Sage	2012	Positive	Pregnant	SW of Timber Hill
17	Little Basin Cr/ Sage	2012	Positive	Open	N of Red Rock River
21	Little Basin Cr/ Sage	2012	Positive	Pregnant	N of Red Rock River
124	Little Basin Cr/ Sage	2012	Positive	Pregnant	SE of Sage Creek
202	Pioneers	2013	Negative		Squaw Creek
203	Pioneers	2013	Negative		Mill Point
206	Pioneers	2013	Negative		Mill Point
213	Pioneers	2013	Negative		Clara Mine/ USFS
219	Pioneers	2013	Negative		McVey Creek
222	Pioneers	2013	Negative		Clara Mine/ USFS
223	Pioneers	2013	Negative		Fox Gulch/ USFS
225	Pioneers	2013	Negative		Mill Point
230	Pioneers	2013	Negative		Clara Mine/ USFS
234	Pioneers	2013	Negative		Clara Mine/ USFS
240	Pioneers	2013	Negative		Clara Mine/ USFS
241	Pioneers	2013	Negative		Goris Gulch/BLM
242	Pioneers	2013	Negative		Mill Point
245	Pioneers	2013	Negative		Taylor Creek
261	Pioneers	2013	Negative		Mill Point
262	Pioneers	2013	Negative		Taylor Creek
263	Pioneers	2013	Negative		Not Heard
266	Pioneers	2013	Negative		Clara Mine/ USFS
267	Pioneers	2013	Negative		Clara Mine/ USFS
269	Pioneers	2013	Negative		Mill Point
270	Pioneers	2013	Negative		Clara Mine/ USFS
275	Pioneers	2013	Negative		Clara Mine/ USFS
276	Pioneers	2013	Negative		Clara Mine/ USFS
278	Pioneers	2013	Negative		Mill Point
280	Pioneers	2013	Negative		Fox Gulch/ USFS
284	Pioneers	2013	Negative		Taylor Creek
288	Pioneers	2013	Negative		Taylor Creek
294	Pioneers	2013	Negative		Clara Mine/ USFS
295	Pioneers	2013	Negative		Squaw Creek
298	Pioneers	2013	Negative		Squaw Creek